

Hyunjun Kim

List of Publications by Year in descending order

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296
papers

11,429
citations

25034

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docs citations

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times ranked

6725
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#	ARTICLE	IF	CITATIONS
1	Salicylimine-Based Fluorescent Chemosensor for Aluminum Ions and Application to Bioimaging. <i>Inorganic Chemistry</i> , 2012, 51, 3597-3602.	4.0	335
2	Stereospecific Alkane Hydroxylation with H ₂ O ₂ Catalyzed by an Iron(II)-Tris(2-pyridylmethyl)amine Complex. <i>Journal of the American Chemical Society</i> , 1997, 119, 5964-5965.	13.7	310
3	A single schiff base molecule for recognizing multiple metal ions: A fluorescence sensor for Zn(II) and Al(III) and colorimetric sensor for Fe(II) and Fe(III). <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 343-352.	7.8	271
4	A cap-type Schiff base acting as a fluorescence sensor for zinc(ii) and a colorimetric sensor for iron(ii), copper(ii), and zinc(ii) in aqueous media. <i>Dalton Transactions</i> , 2013, 42, 16569.	3.3	251
5	New Insights into the Mechanisms of O-O Bond Cleavage of Hydrogen Peroxide and tert-Alkyl Hydroperoxides by Iron(III) Porphyrin Complexes. <i>Journal of the American Chemical Society</i> , 2000, 122, 8677-8684.	13.7	233
6	A selective colorimetric and fluorescent chemosensor based-on naphthol for detection of Al ³⁺ and Cu ²⁺ . <i>Dyes and Pigments</i> , 2013, 99, 6-13.	3.7	217
7	A new multifunctional Schiff base as a fluorescence sensor for Al ³⁺ and a colorimetric sensor for CN ⁻ in aqueous media: an application to bioimaging. <i>Dalton Transactions</i> , 2014, 43, 6650-6659.	3.3	203
8	High-yield epoxidations with hydrogen peroxide and tert-butyl hydroperoxide catalyzed by iron(III) porphyrins: heterolytic cleavage of hydroperoxides. <i>Journal of the American Chemical Society</i> , 1993, 115, 2775-2781.	13.7	181
9	A colorimetric and fluorescent sensor for sequential detection of Copper ion and cyanide. <i>Tetrahedron</i> , 2014, 70, 2822-2828.	1.9	159
10	Fluorescent chemosensor based-on naphthol-quinoline for selective detection of aluminum ions. <i>Tetrahedron Letters</i> , 2011, 52, 5581-5584.	1.4	157
11	Evidence for the Participation of Two Distinct Reactive Intermediates in Iron(III) Porphyrin Complex-Catalyzed Epoxidation Reactions. <i>Journal of the American Chemical Society</i> , 2000, 122, 6641-6647.	13.7	150
12	A naked-eye chemosensor for simultaneous detection of iron and copper ions and its copper complex for colorimetric/fluorescent sensing of cyanide. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 257-271.	7.8	141
13	A colorimetric sensor for the sequential detection of Cu ²⁺ and CN ⁻ in fully aqueous media: practical performance of Cu ²⁺ . <i>Dalton Transactions</i> , 2015, 44, 9120-9129.	3.3	138
14	A single molecule that acts as a fluorescence sensor for zinc and cadmium and a colorimetric sensor for cobalt. <i>Dalton Transactions</i> , 2013, 42, 15514.	3.3	133
15	Janus-faced Sestrin2 controls ROS and mTOR signalling through two separate functional domains. <i>Nature Communications</i> , 2015, 6, 10025.	12.8	122
16	Fluorescent dye containing phenol-pyridyl for selective detection of aluminum ions. <i>Dyes and Pigments</i> , 2013, 96, 590-594.	3.7	111
17	A colorimetric "naked-eye"-Cu(II) chemosensor and pH indicator in 100% aqueous solution. <i>Dalton Transactions</i> , 2014, 43, 5652-5656.	3.3	109
18	Urea/thiourea-based colorimetric chemosensors for the biologically important ions: efficient and simple sensors. <i>Tetrahedron</i> , 2006, 62, 9635-9640.	1.9	107

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19	Participation of Two Distinct Hydroxylating Intermediates in Iron(III) Porphyrin Complex-Catalyzed Hydroxylation of Alkanes. <i>Journal of the American Chemical Society</i> , 2000, 122, 10805-10809.	13.7	104
20	Colorimetric detection of Fe ³⁺ and Fe ²⁺ and sequential fluorescent detection of Al ³⁺ and pyrophosphate by an imidazole-based chemosensor in a near-perfect aqueous solution. <i>Dyes and Pigments</i> , 2017, 139, 136-147.	3.7	99
21	A single fluorescent chemosensor for multiple target ions: Recognition of Zn ²⁺ in 100% aqueous solution and Fâ ⁺ in organic solvent. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 36-43.	7.8	96
22	A colorimetric chemosensor for the sequential detection of copper(II) and cysteine. <i>Dyes and Pigments</i> , 2015, 116, 131-138.	3.7	96
23	An anthracene-based fluorescent sensor for sequential detection of zinc and copper ions. <i>Inorganic Chemistry Communication</i> , 2014, 39, 61-65.	3.9	93
24	Dual-channel detection of Cu ²⁺ and Fâ ⁺ with a simple Schiff-based colorimetric and fluorescent sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1649-1657.	3.9	93
25	A diaminomaleonitrile based selective colorimetric chemosensor for copper(<sc>ii</sc>) and fluoride ions. <i>New Journal of Chemistry</i> , 2015, 39, 2580-2587.	2.8	87
26	A multifunctional colorimetric chemosensor for cyanide and copper(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 498-506.	7.8	86
27	Solvent-dependent selective fluorescence assay of aluminum and gallium ions using julolidine-based probe. <i>Dyes and Pigments</i> , 2013, 99, 1016-1021.	3.7	84
28	Zinc sensors with lower binding affinities for cellular imaging. <i>Dalton Transactions</i> , 2013, 42, 5500.	3.3	84
29	Synthesis, structure and heterogeneous catalytic activity of a coordination polymer containing tetranuclear Cu(ii)-btp units connected by nitrates. <i>Dalton Transactions</i> , 2003, , 1454-1456.	3.3	74
30	A single colorimetric sensor for multiple target ions: the simultaneous detection of Fe ²⁺ and Cu ²⁺ in aqueous media. <i>RSC Advances</i> , 2014, 4, 22463-22469.	3.6	74
31	Biomimetic Hydrocarbon Oxidation Catalyzed by Nonheme Iron(III) Complexes with Peracids: Evidence for an Fe^V=O Species. <i>Chemistry - A European Journal</i> , 2007, 13, 9393-9398.	3.3	72
32	A phthalazine-based two-in-one chromogenic receptor for detecting Co²⁺ and Cu²⁺ in an aqueous environment. <i>Dalton Transactions</i> , 2015, 44, 13305-13314.	3.3	72
33	Turn-on selective fluorescent probe for trivalent cations. <i>Inorganic Chemistry Communication</i> , 2013, 36, 72-76.	3.9	69
34	A colorimetric chemosensor based on a Schiff base for highly selective sensing of cyanide in aqueous solution: the influence of solvents. <i>New Journal of Chemistry</i> , 2014, 38, 5769-5776.	2.8	69
35	A multifunctional sensor: Chromogenic sensing for Mn ²⁺ and fluorescent sensing for Zn ²⁺ and Al ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 535-544.	7.8	69
36	Zinc selective chemosensor based on pyridyl-amide fluorescence. <i>Tetrahedron</i> , 2011, 67, 8073-8078.	1.9	68

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37	A colorimetric organic chemo-sensor for Co ²⁺ in a fully aqueous environment. Dalton Transactions, 2014, 43, 6618-6622.	3.3	68
38	A dual chemosensor for Zn ²⁺ and Co ²⁺ in aqueous media and living cells: Experimental and theoretical studies. Sensors and Actuators B: Chemical, 2016, 223, 509-519.	7.8	68
39	Metal-directed supramolecular assembly of metal(II) benzoates (M=Co, Ni, Cu, Zn, Mn, and Cd) with 4,4'-bipyridine: Effects of metal coordination modes and novel catalytic activities. Polyhedron, 2009, 28, 1241-1252.	2.2	67
40	A single chemosensor for multiple target anions: The simultaneous detection of CN ⁻ and OAc ⁻ in aqueous media. Sensors and Actuators B: Chemical, 2014, 202, 645-655.	7.8	67
41	MCPBA Epoxidation of Alkenes: A Reinvestigation of Correlation between Rate and Ionization Potential. Journal of the American Chemical Society, 1998, 120, 9513-9516.	13.7	66
42	A highly sensitive benzimidazole-based chemosensor for the colorimetric detection of Fe(II) and Fe(III) and the fluorometric detection of Zn(II) in aqueous media. RSC Advances, 2016, 6, 61505-61515.	3.6	66
43	A novel selective colorimetric chemosensor for cobalt ions in a near perfect aqueous solution. Sensors and Actuators B: Chemical, 2016, 223, 234-240.	7.8	66
44	Controlled growth of narrowly dispersed nanosize hexagonal MOF rods from Mn(III)-porphyrin and In(NO ₃) ₃ and their application in olefin oxidation. Chemical Communications, 2012, 48, 5512.	4.1	65
45	A highly selective turn-on chemosensor capable of monitoring Zn ²⁺ concentrations in living cells and aqueous solution. Sensors and Actuators B: Chemical, 2015, 215, 568-576.	7.8	65
46	Chelate-type Schiff base acting as a colorimetric sensor for iron in aqueous solution. Sensors and Actuators B: Chemical, 2015, 215, 188-195.	7.8	65
47	A fluorescent and colorimetric chemosensor for selective detection of aluminum in aqueous solution. Tetrahedron Letters, 2014, 55, 1347-1352.	1.4	64
48	Colorimetric Detection of Cu ²⁺ and Fluorescent Detection of PO ₄ ³⁻ and S ²⁻ by a Multifunctional Chemosensor. Industrial & Engineering Chemistry Research, 2017, 56, 8399-8407.	3.7	64
49	Synthesis, structure and heterogeneous catalytic activities of Cu-containing polymeric compounds: anion effect and comparison of homogeneous vs. heterogeneous catalytic activity Electronic supplementary information (ESI) available: XRD pattern before and after the catalysis of compounds 2 and 3. See http://www.rsc.org/suppdata/dt/b4/b406877g/ . Dalton Transactions, 2004, , 2697.	3.3	63
50	An anthracene-based fluorescent chemosensor for Zn ²⁺ . Tetrahedron Letters, 2013, 54, 2415-2418.	1.4	63
51	A novel colorimetric chemosensor for the sequential detection of Ni ²⁺ and CN ⁻ in aqueous solution. Sensors and Actuators B: Chemical, 2017, 242, 25-34.	7.8	63
52	A dual sensor selective for Hg ²⁺ and cysteine detection. Sensors and Actuators B: Chemical, 2018, 255, 2756-2763.	7.8	63
53	Specific naked eye sensing of cyanide by chromogenic host: studies on the effect of solvents. Tetrahedron Letters, 2013, 54, 1015-1019.	1.4	62
54	Multiple target chemosensor: a fluorescent sensor for Zn(II) and Al(III) and a chromogenic sensor for Fe(II) and Fe(III). RSC Advances, 2015, 5, 11229-11239.	3.6	60

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55	Biomimetic alcohol oxidations by an iron(III) porphyrin complex: relevance to cytochrome P-450 catalytic oxidation and involvement of the two-state radical rebound mechanism. Dalton Transactions, 2005, , 402.	3.3	59
56	Zinc selective chemosensors based on the flexible dipicolylamine and quinoline. Inorganica Chimica Acta, 2013, 394, 542-551.	2.4	59
57	A highly selective CHEF-type chemosensor for monitoring Zn ²⁺ in aqueous solution and living cells. RSC Advances, 2015, 5, 41905-41913.	3.6	59
58	A novel "off-on" type fluorescent chemosensor for detection of Zn ²⁺ and its zinc complex for "on-off" fluorescent sensing of sulfide in aqueous solution, in vitro and in vivo. Sensors and Actuators B: Chemical, 2018, 267, 58-69.	7.8	59
59	Controlling self-assembly of zinc(II)-benzoate coordination complexes with 1,4-bis(4-pyridyl)ethane by varying solvent and ligand-to-metal ratio: Their catalytic activities. Polyhedron, 2009, 28, 553-561.	2.2	58
60	Biomimetic alkane hydroxylation by cobalt(III) porphyrin complex and m-chloroperbenzoic acid. Chemical Communications, 2001, , 1262-1263.	4.1	57
61	A colorimetric chemosensor for the sequential detection of copper ion and amino acids (cysteine and) Tj ETQq1 1 0,784314 r _g BT /Overl	3.6	57
62	Salicylimine-Based Colorimetric and Fluorescent Chemosensor for Selective Detection of Cyanide in Aqueous Buffer. Bulletin of the Korean Chemical Society, 2013, 34, 1985-1989.	1.9	56
63	A water-soluble carboxylic-functionalized chemosensor for detecting Al ³⁺ in aqueous media and living cells: Experimental and theoretical studies. Biosensors and Bioelectronics, 2015, 69, 226-229.	10.1	55
64	A water-soluble fluorescence chemosensor for the sequential detection of Zn ²⁺ and pyrophosphate in living cells and zebrafish. Dyes and Pigments, 2018, 152, 131-138.	3.7	55
65	Simultaneous detection of Cu ²⁺ and Cr ³⁺ by a simple Schiff-base colorimetric chemosensor bearing NBD (7-nitrobenzo-2-oxa-1,3-diazolyl) and julolidine moieties. Tetrahedron, 2016, 72, 5563-5570.	1.9	54
66	A multifunctional selective "turn-on" fluorescent chemosensor for detection of Group IIIA ions Al ³⁺ , Ga ³⁺ and In ³⁺ . Photochemical and Photobiological Sciences, 2018, 17, 1247-1255.	2.9	53
67	Sequential colorimetric recognition of Cu ²⁺ and CN ⁻ by asymmetric coumarin-conjugated naphthol groups in aqueous solution. Dyes and Pigments, 2014, 109, 127-134.	3.7	52
68	A single chemosensor for multiple analytes: fluorogenic detection of Zn ²⁺ and OAc ⁻ ions in aqueous solution, and an application to bioimaging. New Journal of Chemistry, 2014, 38, 2587-2594.	2.8	52
69	A selective colorimetric chemosensor with an electron-withdrawing group for multi-analytes CN ⁻ and F ⁻ . New Journal of Chemistry, 2015, 39, 3900-3907.	2.8	51
70	A novel colorimetric chemosensor for multiple target metal ions Fe ²⁺ , Co ²⁺ , and Cu ²⁺ in a near-perfect aqueous solution: Experimental and theoretical studies. Sensors and Actuators B: Chemical, 2017, 251, 291-301.	7.8	51
71	Colorimetric chemosensor for multiple targets, Cu ²⁺ , CN ⁻ and S ²⁻ . RSC Advances, 2016, 6, 16586-16597.	3.6	50
72	A new Schiff-base chemosensor for selective detection of Cu ²⁺ and Co ²⁺ and its copper complex for colorimetric sensing of S ²⁻ in aqueous solution. Photochemical and Photobiological Sciences, 2017, 16, 1677-1689.	2.9	50

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73	A new coumarin-based chromogenic chemosensor for the detection of dual analytes Al ³⁺ and F ⁻ . RSC Advances, 2014, 4, 63882-63890.	3.6	49
74	A highly selective and sensitive fluorescent turn-on Al ³⁺ chemosensor in aqueous media and living cells: experimental and theoretical studies. New Journal of Chemistry, 2016, 40, 171-178.	2.8	49
75	Stereoselective alkane hydroxylations by metal salts and m-chloroperbenzoic acid. Tetrahedron Letters, 2002, 43, 5487-5490.	1.4	48
76	A colorimetric and fluorescent chemosensor for selective detection of Cr ³⁺ and Al ³⁺ . Inorganic Chemistry Communication, 2013, 33, 48-51.	3.9	48
77	A fluorescence sensor for Zn ²⁺ that also acts as a visible sensor for Co ²⁺ and Cu ²⁺ . Sensors and Actuators B: Chemical, 2015, 213, 268-275.	7.8	48
78	Detection of multiple analytes (CN ⁻ and F ⁻) based on a simple pyrazine-derived chemosensor in aqueous solution: Experimental and theoretical approaches. Sensors and Actuators B: Chemical, 2015, 207, 123-132.	7.8	48
79	Turn-on fluorescent chemosensor for selective detection of Zn ²⁺ in an aqueous solution: Experimental and theoretical studies. Inorganic Chemistry Communication, 2016, 63, 35-38.	3.9	48
80	A novel benzophenone-based colorimetric chemosensor for detecting Cu^{2+} and F^{-} . Journal of Chemical Sciences, 2019, 131, 1.	1.5	48
81	Construction of Zn ^{II} Compounds with a Chelating 2,2'-bipyridylamine (Hdpa) Ligand: Anion Effect and Catalytic Activities. European Journal of Inorganic Chemistry, 2008, 2008, 408-415.	2.0	47
82	Zn-MOFs Containing Flexible 1,3-Alkane (or Alkene)-Dicarboxylates and 1,2-Bis(4-pyridyl)ethane Ligands: CO ₂ Sorption and Photoluminescence. Crystal Growth and Design, 2013, 13, 4815-4823.	3.0	47
83	Solvent-dependent chromogenic sensing for Cu ²⁺ and fluorogenic sensing for Zn ²⁺ and Al ³⁺ : a multifunctional chemosensor with dual-mode. Tetrahedron, 2014, 70, 7429-7438.	1.9	47
84	Selective zinc sensor based on pyrazoles and quinoline used to image cells. Dyes and Pigments, 2015, 113, 723-729.	3.7	47
85	A single colorimetric sensor for multiple targets: the sequential detection of Co ²⁺ and cyanide and the selective detection of Cu ²⁺ in aqueous solution. RSC Advances, 2017, 7, 17650-17659.	3.6	46
86	A fluorescence "turn-on" chemosensor for Hg ²⁺ and Ag ⁺ based on NBD (7-nitrobenzo-2-oxa-1,3-diazolyl). RSC Advances, 2017, 7, 290-299.	3.6	46
87	A novel colorimetric chemosensor for detection of Co ²⁺ and S ²⁻ in an aqueous environment. Sensors and Actuators B: Chemical, 2017, 242, 792-800.	7.8	46
88	Naked eye detection of fluoride and pyrophosphate with an anion receptor utilizing anthracene and nitrophenyl group as signaling group. Tetrahedron Letters, 2011, 52, 2759-2763.	1.4	45
89	Solvent-dependent selective fluorescence sensing of Al ³⁺ and Zn ²⁺ using a single Schiff base. Inorganic Chemistry Communication, 2014, 45, 15-19.	3.9	45
90	Thiophene and diethylaminophenol-based "turn-on" fluorescence chemosensor for detection of Al ³⁺ and F ⁻ in a near-perfect aqueous solution. Tetrahedron, 2017, 73, 2690-2697.	1.9	45

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91	Fluorescent determination of zinc by a quinoline-based chemosensor in aqueous media and zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 74-82.	3.9	45
92	Selective fluorescence assay of aluminum and cyanide ions using chemosensor containing naphthol. <i>RSC Advances</i> , 2014, 4, 18094-18099.	3.6	44
93	A PET-based fluorometric chemosensor for the determination of mercury(Hg^{2+}) and pH, and hydrolysis reaction-based colorimetric detection of hydrogen sulfide. <i>Dalton Transactions</i> , 2016, 45, 5700-5712.	3.3	44
94	Monomeric, trimeric, and tetrameric transition metal complexes (Mn, Fe, Co) containing N,N-bis(2-pyridylmethyl)-2-aminoethanol-ate: preparation, crystal structure, molecular magnetism and oxidation catalysis. <i>Dalton Transactions</i> , 2011, 40, 5762.	3.3	43
95	Sequential detection of copper(II) and cyanide by a simple colorimetric chemosensor. <i>Inorganic Chemistry Communication</i> , 2016, 74, 62-65.	3.9	43
96	A simple Schiff-base fluorescence probe for the simultaneous detection of Ga^{3+} and Zn^{2+} . <i>Inorganica Chimica Acta</i> , 2017, 461, 127-135.	2.4	43
97	Single fluorescent chemosensor for multiple targets: sequential detection of Al^{3+} and pyrophosphate and selective detection of F^{-} in near-perfect aqueous solution. <i>New Journal of Chemistry</i> , 2017, 41, 15590-15600.	2.8	43
98	Anion effects on the crystal structures of ZnII complexes containing 2,2'-bipyridine: Their photoluminescence and catalytic activities. <i>Polyhedron</i> , 2011, 30, 1555-1564.	2.2	42
99	Remarkable Solvent, Porphyrin Ligand, and Substrate Effects on Participation of Multiple Active Oxidants in Manganese(III) Porphyrin Catalyzed Oxidation Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 1810-1818.	3.3	40
100	Efficient Olefin Epoxidation by Robust Re^{IV} Cluster-Supported Mn ^{III} Complexes with Peracids: Evidence of Simultaneous Operation of Multiple Active Oxidant Species, Mn ^V VO_3 , Mn ^{IV} VO_3 , and Mn ^{III} $\text{VOOC}(\text{O})\text{R}$. <i>Chemistry - A European Journal</i> , 2010, 16, 4678-4685.	3.3	39
101	A novel colorimetric chemosensor for multiple target ions in aqueous solution: simultaneous detection of Mn(II) and Fe(II). <i>Inorganic Chemistry Communication</i> , 2014, 46, 237-240.	3.9	39
102	A novel mononuclear Fe(III) mono(terpyridine) complex having labile solvent ligands and its catalytic activity Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/doi/10.1039/C2OB00413A . <i>Dalton Transactions RSC</i> , 2002, , 3931-3932.	2.3	38
103	Synthesis, crystal structures, photoluminescence, and catalytic reactivity of novel coordination polymers (0-D, 1-D, 2-D to 3-D) constructed from cis-1,2-cyclohexanedicarboxylic acid and various bipyridyl ligands. <i>New Journal of Chemistry</i> , 2011, 35, 833.	2.8	38
104	Fluorescent chemosensor based-on the combination of julolidine and furan for selective detection of zinc ion. <i>Inorganic Chemistry Communication</i> , 2013, 35, 342-345.	3.9	38
105	A NBD-based selective colorimetric and fluorescent chemosensor for Hg^{2+} . <i>Tetrahedron Letters</i> , 2013, 54, 4001-4005.	1.4	38
106	A single fluorescent chemosensor for multiple targets of Cu^{2+} , Fe^{2+} and Al^{3+} in living cells and a near-perfect aqueous solution. <i>RSC Advances</i> , 2017, 7, 28723-28732.	3.6	38
107	Fluorescent Sensor for Sequentially Monitoring Zinc(II) and Cyanide Anion in Near-Perfect Aqueous Media. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 54-62.	3.7	38
108	Sequential Multiple-Target Sensor: In ³⁺ , Fe ²⁺ , and Fe ³⁺ Discrimination by an Anthracene-Based Probe. <i>Inorganic Chemistry</i> , 2019, 58, 13796-13806.	4.0	38

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109	Terminal and Internal Olefin Epoxidation with Cobalt(II) as the Catalyst: Evidence for an Active Oxidant $\text{Co}^{\text{II}} \leftarrow \text{Acylperoxo}$ Species. <i>Journal of Organic Chemistry</i> , 2012, 77, 7307-7312.	3.2	37
110	A highly sensitive and selective fluorescent chemosensor for the sequential recognition of Zn^{2+} and S_2As^{3-} in living cells and aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3108-3116.	7.8	37
111	Fluorescent detection of Zn(II) and In(III) and colorimetric detection of Cu(II) and Co(II) by a versatile chemosensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 65, 290-299.	5.8	37
112	Robust and Efficient Amide-Based Nonheme Manganese(III) Hydrocarbon Oxidation Catalysts: Substrate and Solvent Effects on Involvement and Partition of Multiple Active Oxidants. <i>Chemistry - A European Journal</i> , 2011, 17, 7336-7344.	3.3	36
113	A highly selective quinoline-based fluorescent sensor for Zn(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 883-887.	3.9	36
114	A colorimetric Schiff base chemosensor for CN^{\sim} by naked-eye in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2015, 54, 73-76.	3.9	35
115	Highly selective and sensitive colorimetric chemosensor for detection of Co^{2+} in a near-perfect aqueous solution. <i>RSC Advances</i> , 2016, 6, 28081-28088.	3.6	35
116	Simultaneous bioimaging recognition of cation Al^{3+} and anion F^{\sim} by a fluorogenic method. <i>Dyes and Pigments</i> , 2016, 129, 43-53.	3.7	35
117	Anion effect on construction of zinc(II) coordination polymer with a chelating ligand 2,2'-dipyridylamine (Hdpa): Novel heterogeneous catalytic activities. <i>Inorganic Chemistry Communication</i> , 2007, 10, 287-291.	3.9	34
118	A highly selective fluorescent sensor for the detection of Al^{3+} and CN^{\sim} in aqueous solution: biological applications and DFT calculations. <i>New Journal of Chemistry</i> , 2016, 40, 8918-8927.	2.8	34
119	Highly Sensitive Dansyl-Based Chemosensor for Detection of Cu^{2+} in Aqueous Solution and Zebrafish. <i>ACS Omega</i> , 2019, 4, 12537-12543.	3.5	34
120	A hydrazone-quinoline-based chemosensor sensing In^{3+} and Zn^{2+} via fluorescence turn-on and ClO^{\sim} color change in aqueous solution. <i>New Journal of Chemistry</i> , 2019, 43, 7320-7328.	2.8	34
121	A highly selective turn-on chemosensor for Zn^{2+} in aqueous media and living cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 1045-1053.	7.8	33
122	Synthesis, Characterization, and Catalytic Activities of A Nickel(II) Monoamido-Tetradentate Complex: Evidence For $\text{Ni}^{\text{III}} \leftarrow \text{Oxo}$ and $\text{Ni}^{\text{IV}} \leftarrow \text{Oxo}$ Species. <i>Chemistry - A European Journal</i> , 2017, 23, 3117-3125.	3.3	33
123	Colorimetric detection of iron and fluorescence detection of zinc and cadmium by a chemosensor containing a bio-friendly octopamine. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 442-452.	2.9	33
124	A fluorescent and colorimetric Schiff base chemosensor for the detection of Zn^{2+} and Cu^{2+} : Application in live cell imaging and colorimetric test kit. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 34-43.	3.9	33
125	Amide-Based Nonheme Cobalt(III) Olefin Epoxidation Catalyst: Partition of Multiple Active Oxidants $\text{Co}^{\text{V}} \leftarrow \text{O}$, $\text{Co}^{\text{IV}} \leftarrow \text{O}$, and $\text{Co}^{\text{III}} \leftarrow \text{OO}(\text{O})\text{CR}$. <i>Chemistry - A European Journal</i> , 2012, 18, 6094-6101.	4.3	32
126	A thiol-containing colorimetric chemosensor for relay recognition of Cu^{2+} and S_2As^{3-} in aqueous media with a low detection limit. <i>Inorganica Chimica Acta</i> , 2019, 492, 83-90.	2.4	32

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127	Sensing of zinc ions and sulfide using a highly practical and water-soluble fluorescent sensor: applications in test kits and zebrafish. <i>New Journal of Chemistry</i> , 2020, 44, 442-449.	2.8	32
128	A naked-eye detection of fluoride with urea/thiourea receptors which have both a benzophenone group and a nitrophenyl group as a signalling group. <i>Supramolecular Chemistry</i> , 2010, 22, 267-273.	1.2	31
129	Catalysis and molecular magnetism of dinuclear iron(III) complexes with N-(2-pyridylmethyl)-iminodiethanol-ate. <i>Dalton Transactions</i> , 2014, 43, 3999.	3.3	31
130	A highly selective colorimetric chemosensor for cyanide and sulfide in aqueous solution: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2016, 40, 7768-7778.	2.8	31
131	Crystal structures and catalytic activities of Zn(II) compounds containing btp ligands. <i>Inorganica Chimica Acta</i> , 2005, 358, 3659-3670.	2.4	30
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